

Abstract

The present invention provides an electrical, decentralized braking system having: at least four sensors (S1 to S4) for acquiring the actuation of a brake actuating device; one
5 braking module (10) for each brakable vehicle wheel (13), for acquiring sensor data and for controlling a braking device of a corresponding wheel (13); at least one first communication device (14) with which all braking modules (10) are connected to one another for the exchange of data; and an electrical
10 connecting device (12, 12') by which each sensor (S1 to S4) is connected to at least one braking module (10), wherein the braking system has at least one further communication device (14', 14'') for receiving and/or exchanging data between at least two wheel modules (10) of different sides (R, L) of the
15 vehicle.

Figure 1